

Clarification Regarding Package-A (SMPS BATTERY CHARGER AND BATTERY)

- SMPS Battery chargers (For telecom use 48V, 25Amps) for LMLA Battery is N+2 (N=1) configuration using 3 modules of 25 Amps (FR / BC) suitable for 200 AH LM Batteries with lighting and surge protection with automatic switching between the modules. RDSO / SPN / TL/23/99 ver 4.0 or latest to be used.

Clarification Regarding Package-D (MSDAC)

➤ **Price Bid Format - Table Sl. No. 1**

- A. **Diagnostic Terminal (Laptop) along with all necessary software including diagnostic software are required. The items Battery band, Battery charger shall be deleted from scope of supply items.**
- B. **Power & Data Coupling Unit (2 No.): Deleted** from scope of supply.
- C. **Connector Board (KP) (3 No.): Deleted** from scope of supply.
- D. **ToolKit for MSDAC maintenance and commissioning** (1 set): Required and shall be included in the scope of supply.
- E. **[New item] Mushroom Boxes** (3 No.): Required to be included in the scope of supply. (Each detection point one number mushroom box).

➤ **Price Bid Format - Table Sl. No. 2**

- Power supply arrangement will be arranged from Location Box (Provided by BHEL / Railways). However, cables and wiring between vendor supplied equipment up to Power supply in Location Box is in vendor scope of supply.
- The foundation for field equipment will be provided by BHEL. Maintenance-free Earthing, Conventional Earthing as required by vendor will be provided by BHEL. All Civil works are part of BHEL Scope of supply.
- Additionally, all indoor & outdoor supply items to be installed, interconnected and integrated with field Detection points, mushroom boxes and indoor equipment's, communication between different devices / equipment and to be commissioned in totality.

➤ **Bidders to Note the following:**

- All the items as per RDSO specification shall be provided. The items shall be added and quoted for required 3 numbers of detection points purpose in complete set.
- The items including Evaluator, reset panel, MSDAC wired rack, transfer coils, Receiver coils, reflectors for transfer coils, reflectors for receiver coils, surge protector, PDCU units in mushroom boxes and station building, DC-DC converters, Relays, Power filter cards, cables, terminals and lugs etc., are part of scope of supply. Any item over and above to Erection and Commissioning purpose are required to be included in the scope of supply.